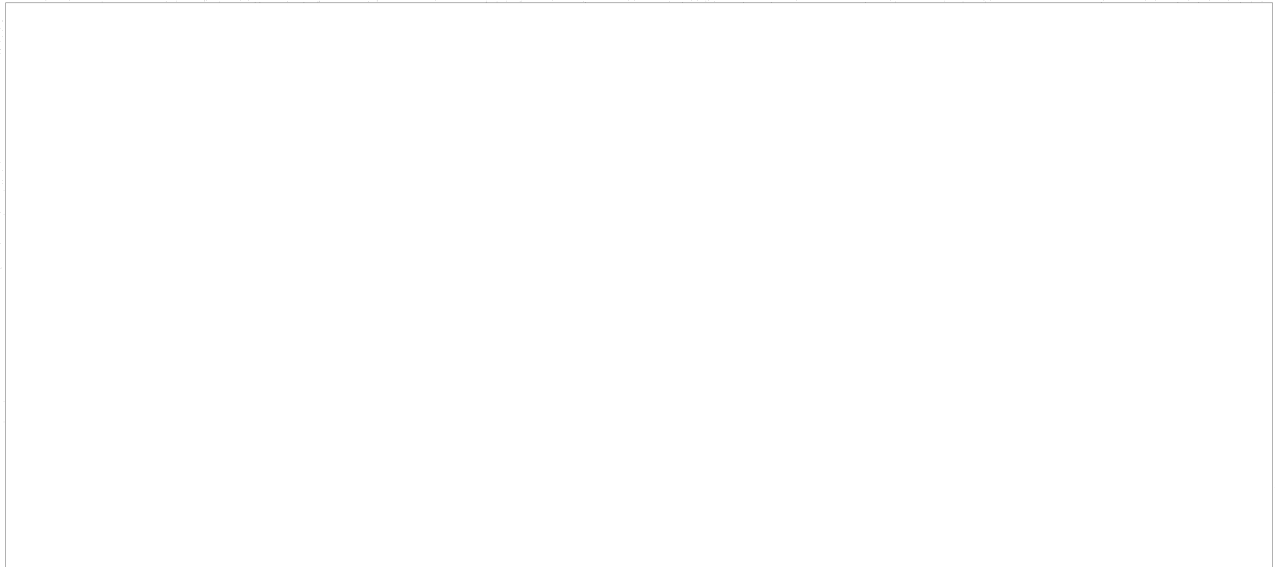
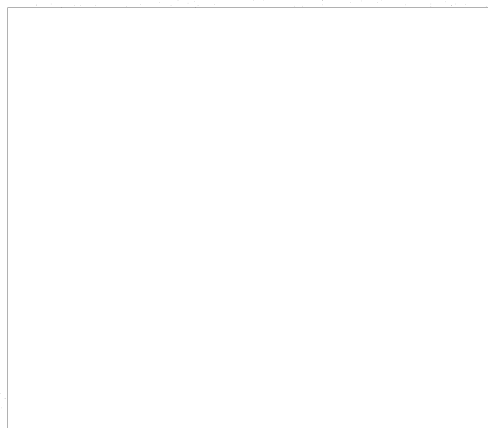


50X1-HUM



Changes in the ARZ-51 Radio Receiver as Compared
With the ARZ-49 Model

"Radiopriyemnik ARZ-51", 1951, Moscow



50X1-HUM

CHANGES IN THE ARZ-51 RADIO RECEIVER AS COMPARED WITH THE ARZ-49 MODEL

The major changes in the ARZ-51 receiver as compared with the ARZ-49 are in the power pack. The autotransformer and selenium rectifier combination used in the ARZ-49 have been replaced by a power transformer and vacuum-tube rectifier (a 6X5), respectively. The power transformer retains an autotransformer feature, in that one plate of the 6X5 is fed from a tap on the primary of the power transformer, while the other plate is fed from the secondary winding.

The only other major change in the set is the replacement of the 30P1M beam tetrode used as an output tube in the ARZ-49 by a 6V6. This change may have given rise to the transformer change, since a 30-volt filament tap was no longer needed.

A 1-GD-1 electrodynamic loudspeaker is used in the ARZ-51, while a 1-GDM-1.5 speaker was used in the ARZ-49.

The output power (0.5-0.6 w), power drawn from the line (40 w), and intermediate frequency (110 kc) are the same for both receivers. No data was given in source on the sensitivity, selectivity, image-frequency attenuation, or a.v.c. characteristics of the ARZ-51 receiver.

Purchasers of the ARZ-51 receiver are given a 6-month guarantee, during which time the producing plant will underwrite repair of the set or send parts free of charge.

E - N - D

- / -

CONFIDENTIAL